

Army Integrated Air and Missile Defense (AIAMD)

INVESTMENT COMPONENT

- Modernization
- Recapitalization
- Maintenance

MISSION

Provides the full combat potential of an Integrated Air and Missile Defense capability through a network-centric “plug and fight” architecture at the component level (e.g., launchers and sensors) and a common mission command (MC) system.

DESCRIPTION

Army Integrated Air and Missile Defense (AIAMD) will enable the integration of modular components (current and future AMD sensors, weapons, and MC) with a common MC capability in a networked and distributed “plug and fight” architecture. This common MC system, called the IAMD Battle Command System (IBCS), will provide standard configurations and capabilities at each echelon. This allows Joint, Interagency, Intergovernmental, and Multinational (JIIM) AMD forces to organize based on mission, enemy, terrain and weather, troops and support available, time available, and civil considerations (METT-TC). Shelters and vehicles may be added to enable broader missions and a wider span of control executed

at higher echelons. A network-enabled “plug and fight” architecture and common MC system will enable dynamic defense design and task force reorganization, and provide the capability for interdependent, network-centric operations that link Joint IAMD protection to the supported force scheme of operations and maneuver.

This Army IAMD system-of-systems architecture will enable extended range and non-line-of-sight engagements across the full spectrum of aerial threats, providing fire control quality data to the most appropriate weapon to successfully complete the mission. Furthermore, it will mitigate the coverage gaps and the single points of failure that have plagued AMD defense design in the past as well as reduce manpower, enhance training, and reduce operation and support costs.

SYSTEM INTERDEPENDENCIES

In this Publication
PATRIOT Advanced Capability–Three (PAC-3), Early Infantry Brigade Combat Team (E-IBCT) Capabilities
IBCT Increment I, Joint Land Attack

Cruise Missile Defense Elevated Netted Sensor System (JLENS), Joint Tactical Ground Stations (JTAGS)

Other Major Interdependencies

Army Battle Command System, AEGIS, Airborne Warning and Control System, BCS, Ballistic Missile Defense System, Common Aviation Command and Control System, Command, Control, Battle Management, and Communications Planner, DD(X), E-2C, Terminal High Altitude Area Defense

PROGRAM STATUS

- **2QFY12:** Program Restructure Acquisition Decision Memorandum
- **3QFY12:** AIAMD Critical Design Review
- **4QFY12:** Defense Acquisition Board In Process Review

PROJECTED ACTIVITIES

- **1QFY14:** AIAMD Demonstration

ACQUISITION PHASE

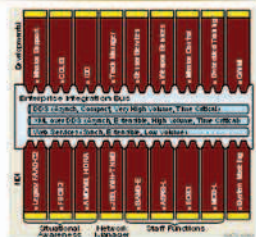
- Technology Development
- Engineering & Manufacturing Development
- Production & Deployment
- Operations & Support

Army Integrated Air and Missile Defense (AIAMD)

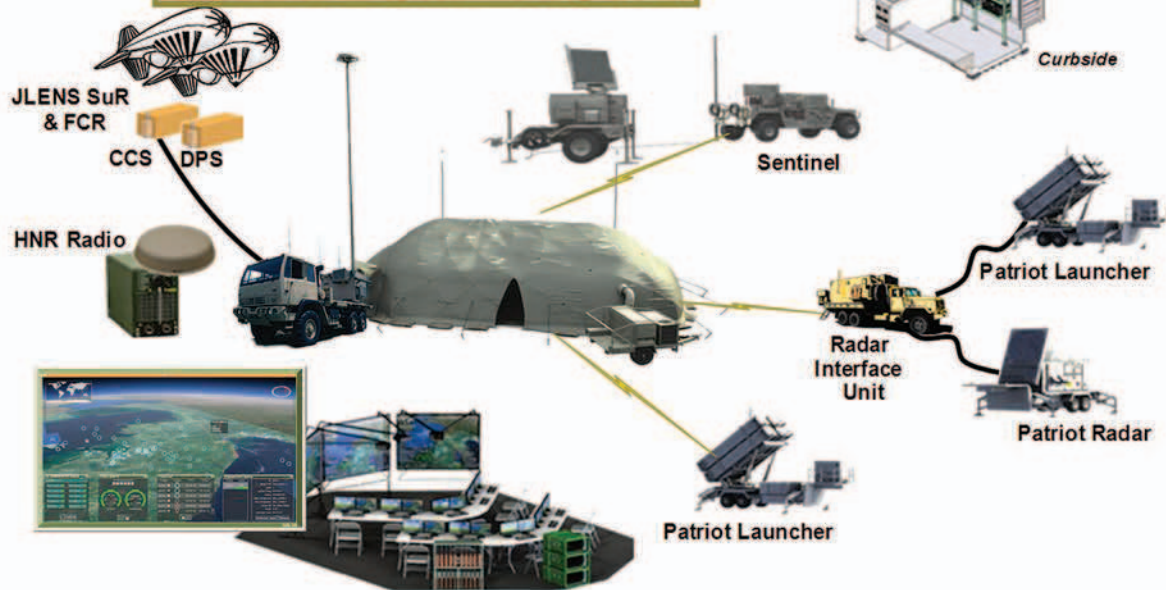
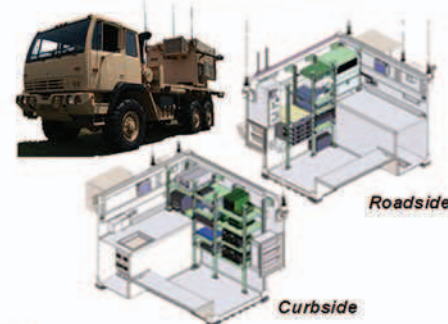
Common P&F Capability



Common Software



Common EOC Configuration



FOREIGN MILITARY SALES

None

CONTRACTORS

IBCS Development:

Northrop Grumman (Huntsville, AL)

A-Kit Design and Development:

Raytheon (Andover, MA; Tewksbury, MA)

SETA Support:

DMD (Huntsville, AL)

